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PROFESSIONAL EXPERIENCE

- September 2006 to Present, Postdoctoral Appointee, Argonne National Laboratory
- September 2004 to September 2006, Visiting Scientist, Argonne National Laboratory
- August to September 2003, Visiting Scientist, National Center of Electron Microscopy
- 2001 to 2004, Grant Researcher, University of Seville, Spain

EDUCATION

- Ph.D., Material Science, University of Seville, Spain
- M.S., Environment and Water Management, Escuela de Negocio de Andalucia, Spain
- B.S., Physics, University of Seville, Spain

PUBLICATIONS

- Cinta Lorenzo-Martín, José Antonio Flores-Vázquez, Diego Gómez-García, Antonio Muñoz-Bernabé, Danz-Zhiou, Julio Gómez-Herrero y Arturo Domínguez-Rodríguez, “Mechanical Behaviour of YTZP nanocrystalline ceramics as a function of the glassy-phase content”. Journal of the European Ceramic Society (vol 22, 14-15, 2002, pp. 2603-2607).
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- C.Lorenzo, D.Gómez, A. Muñoz y A.Domínguez , “Comportamiento Mecánico de policristales de YTZP con tamaño de grano nanométrico. Influencia de la fase vítreo.” Acta del IX Congreso Nacional de Tratamientos Térmicos y de Superficie. San Sebastián 2003. ISBN: 8495520-01-X, pp 65-68
- D. Gómez García, C. Lorenzo Martín, A. Muñoz Bernabé y A. Domínguez Rodríguez. “Correlation between yttrium segregation at the grain boundaries and the threshold stress for plasticity in yttria tetragonal zirconia polycrystals”. Philosophical Magazine A., 2003, Vol.83, Nº.1,93-108

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- Lorenzo-Martín, D. Gómez-García, A. Muñoz-Bernabé, A. Domínguez-Rodríguez. “Fluencia a alta temperatura de policristales con tamaño de grano nanométrico de YTZP dopados con diferentes cantidades de fase vítrea. Boletín de la Sociedad Española de Cerámica y Vídeo. (Boletín correspondiente al VII Congreso Nacional de Materiales, ISSN-0366-3175-BSCVB9, Vol 43).
- Lorenzo-Martín, D. Gómez-García, A..Muñoz-Bernabé, A. Domínguez-Rodríguez, “The origin of the threshold stress in Yttria stabilized Zirconia polycrystals” Key Engineering Materials, Vols, 264-268 (2004) pp. 797-800.
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- Singh, M. Lorenzo-Martin, G. Chen, and J. L. Routbort, "High Temperature Deformation Behavior of SrTiO₃ Ceramics" Journal of the European Ceramic Society 27 (2007) 3377–3384
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- C. Lorenzo-Martin, O.O. Ajayi, D. Singh, and J.L. Routbort, "Evaluation of scuffing Behavior of single crystal zirconia ceramic materials" en WOM 2007, Montreal, March, 15-19th 2007. Wear 263 (2007)872-877
- Twenty-one symposium presentations
- Two short courses